

Appl. No. 09/897,790
Reply to Office Action of May 19, 2005
Response dated August 18, 2005

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions, and listings, of claims in the application.

Claims 1 - 31 (Cancelled)

Claim 32. (Previously Presented) An ad-hoc radio system comprising:

a series of remote radio terminals each comprising a radio transceiver and a control processor, said control processor comprising software means for determining a routing path of a call, for communicating with other said radio terminals, and for establishing the respective said radio terminal as a hop for other said radio terminals during a call-connection;

a plurality of gateways, each said gateway being in operative communication with at least some of said series of remote radio terminals;

a gateway controller in operative communication with said plurality of gateways;

said gateway controller comprising call control and routing means for directing calls to a destination, and interconnecting means for connecting said series of remote radio terminals to an external network, whereby originating calls from a said radio terminal may be directed to a destination serviced by the external network and calls originating from the external network may be directed to a said radio terminal;

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said call control and routing means comprising routing information means for directing an originating call from a said radio terminal via a said gateway to an external network, and for directing a call from an external network to a said radio terminal via a said gateway; and

a plurality of wireless routers operatively connected between said series of remote terminals and said plurality of gateways for wirelessly interconnecting said series of radio terminals and for wirelessly interconnecting said series of radio terminals to said plurality of gateways, whereby said remote radio terminals may indirectly communicate with each other and said gateways through one or more said wireless routers.

Claim 33. (Currently Amended) The ad hoc radio system according to claim 32, wherein said interconnecting means comprises means for connecting to one of a: switched cellular network, a PSTN, and an Internet Service Provider (ISP).

Claim 34. (Previously Presented) The ad hoc radio system according to claim 33, wherein said interconnecting means further comprises interfacing means for translating identifying information received from a switched cellular network and for translating identifying information received from a said gateway.

Claim 35-40. (Cancelled)